

Work Order ID 77183

November-28-11 9:06:09 AM

77183

Page 1

Item ID: D412-775-013

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Step Protective Trim

Start Date: 28/11/2011 Start Qty: 2.00

2

Cust Item ID:

Required Date: 12/12/2011 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 11/11/28 Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSI 9503	A								
IIN D412-775	Rev A								

100 0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPP D412-775-013 CHG003

11/11/30 (2)
MLJ 11-11-30

105 0.00

105

Pick Kit

Packaging

Memo

0.00

Packaging

11/11/30 (2) SP

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 77183

November-28-11 9:06:09 AM

77183

Page 2

Item ID: D412-775-013

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Item Name: Step Protective Trim

Stop ***NS2***

Start Date: 28/11/2011 Start Qty: 2.00

2

Cust Item ID:

Required Date: 12/12/2011 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
110	QC4- 100% Inspect kits for completeness	0.00							
110									
QC	Memo	0.00							
Quality Control									
120	Packaging	0.00							
120									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D412-775-013								
	Location: <u>332</u>								
	PPP Rev: <u>3</u>								
130	QC21- Final Inspection - Work Order Release	0.00							
130									
QC	Memo	0.00							
Quality Control									

11/11/30 (2)

11/11/30 (2)

11/11/30 (2)

MF 11-11-30

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

November-28-11 9:04:12 AM

Page 1

Work Order ID: 77183

77183

Parent Item: D412-775-013

D412-775-013

Parent Item Name: Step Protective Trim

Start Date: 28/11/2011

Required Date: 12/12/2011

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev:A 08-12-10 new issue DD verified by:ec
kit DD 10.02.18 Verified By:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D3608-1

D3608-1

Lower Doubler

Manufactured No

110

Each

4.0000

1

2

**

Location

Loc Qty

Loc Code

st175

4

68858

4

110

Each

3.0000

1

2

**

D3608-3

D3608-3

Upper Doubler

Manufactured No

Location

Loc Qty

Loc Code

st175

3

76031

3

2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-775 REV. A
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-775 REV. 0
REF. TCCA STC SH08-53
REF. FAA STC SR02692NY
REF. EASA STC EASA.IM.R.S.01529

It has come to Dart's attention that due to variances in airframe, the D3608-1/-3 Lower/Upper Doublers of the D412-775-013 Step Protective Trim Kit at CHG 001 may not always fit as intended. To ensure proper fit, Dart has made changes to both D3608-1/-3 Doublers at CHG 002 and later. The manuals listed above are amended as follows:

IS:

INSTALLATION INSTRUCTIONS IIN-D412-775 REV. A, SECTION 3.2

3.2.5 Locate the D3608-1/-3 Doublers per Figure 3 and 4 and transfer drill #28 ($\varnothing 0.141"$) holes from the aircraft to the D3608-1/-3 Doublers. Bend tabs on D3608-1/-3 Doublers as shown in Figure 1 of this service instruction and trim rectangular opening as required to fit airframe.

NOTE: To avoid sharp edges or interference between the crew door, hinged panel door and step door assemblies, it is acceptable to trim the D3608-1/-3 Doublers to fit.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-775 REV. 0, SECTION 53.4

53.4.2 Locate the D3608-1/-3 Doublers per Figure 53-2 and 53-3. If the D3608-1/-3 doublers are being replaced, transfer drill #28 ($\varnothing 0.141"$) holes from the aircraft to the D3608-1/-3 Doublers. Bend tabs on D3608-1/-3 Doublers as shown in Figure 1 of this service instruction and trim rectangular opening as required to fit airframe.

NOTE: To avoid sharp edges or interference between the crew door, hinged panel door and step door assemblies, it is acceptable to trim the D3608-1/-3 Doublers to fit.

WAS:

INSTALLATION INSTRUCTIONS IIN-D412-775 REV. A, SECTION 3.2

3.2.5 Locate the D3608-1/-3 Doublers per Figure 3 and 4 and transfer drill #28 ($\varnothing 0.141"$) holes from the aircraft to the D3608-1/-3 Doublers.






NOTE: To avoid sharp edges or interference between the crew door, hinged panel door and step door assemblies, it is acceptable to trim the D3608-1/-3 Doublers to fit.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-775 REV. 0, SECTION 53.4

53.4.2 Locate the D3608-1/-3 Doublers per Figure 53-2 and 53-3. If the D3608-1/-3 doublers are being replaced, transfer drill #28 ($\varnothing 0.141"$) holes from the aircraft to the D3608-1/-3 Doublers.

NOTE: To avoid sharp edges or interference between the crew door, hinged panel door and step door assemblies, it is acceptable to trim the D3608-1/-3 Doublers to fit.

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED	
BY: 	
D. SHEPHERD (DE # 02)	
DATE: 10.02.05	
CERT. NO.: SH08-53	
ISSUE NO.: 1	

A	NEW ISSUE	MB	10.02.05
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. DSI 9503 REV. A SHEET 1 OF 2 TITLE STEP PROTECTIVE TRIM CHG SCALE NTS <small>COPYRIGHT © 2010 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	
DRAWN			
CHECKED			
MFG. APPR.	N/A		
APPROVED			
DE APPR.			
DATE	10.02.05		

HOP COPY
RETURN TO
ENGINEERING
CONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

77183

11/11/20 MK.5

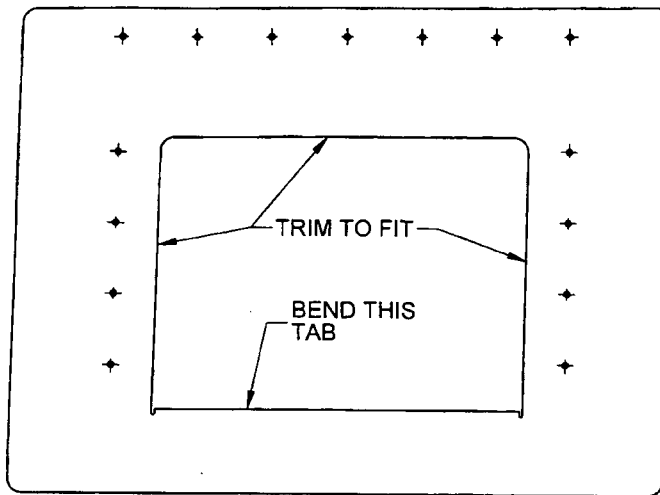
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

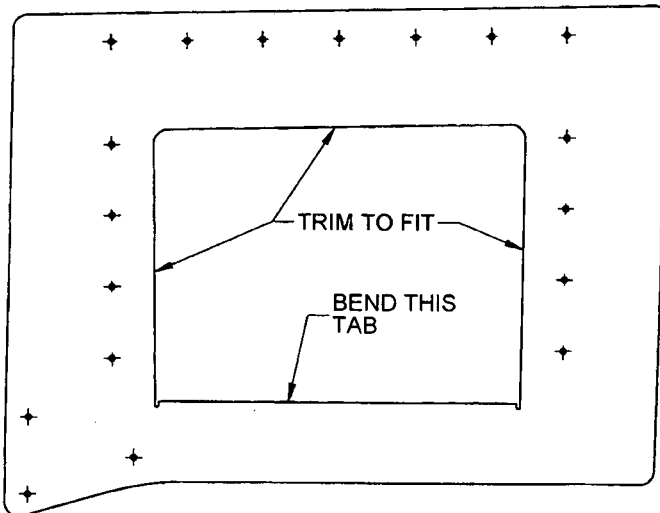
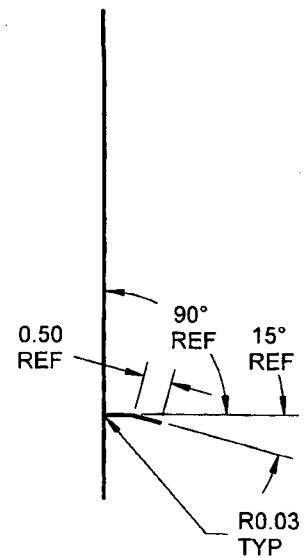
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

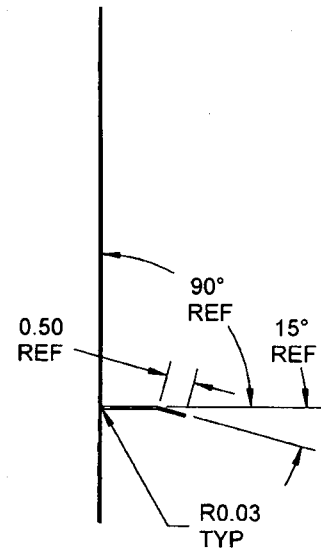
NOTE: Date & initial all entries



D3608-3 BENT UPPER DOUBLER



D3608-1 BENT LOWER DOUBLER








72103

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 10.02.05
CERT. NO.: SH08-53
ISSUE NO.: 1

FIGURE 1: TRIMMING/BENDING OF D3608-1/-3 DOUBLERS
(PARTS SHOWN PRIOR TO TRANSFER DRILLING)

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9503	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		STEP PROTECTIVE TRIM CHG	NTS
DATE	10.02.05	COPYRIGHT © 2010 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

REFERENCE ONLY

DART AEROSPACE LTD.

IIN-D412-775

Page 11 of 11

5.0 PARTS LIST

Qty -011	Qty -013	Qty -015	Part Number	Description
X			D412-775-011	DOOR SILL PROTECTIVE TRIM KIT
	X		D412-775-013	STEP PROTECTIVE TRIM KIT
		X	D412-775-015	FUEL PANEL PROTECTIVE TRIM KIT
2			D3602-1	ANGLE
	1		D3608-1	LOWER DOUBLER
	1		D3608-3	UPPER DOUBLER
		1	D3609-1	DOUBLER

• COPYRIGHT © 2008 BY DART AEROSPACE LTD •

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

Revision: A

Date: 08.11.14